


M3W

PIC RELAY

FEATURES

- Small size and light weight
- High reliability, long service life
- Cover load from 10A up to 15A on 1,2 and 3 pole
- Strong construction for vibration and shock
-  Recognized



SPECIFICATIONS

COIL RATING

RATED VOLTAGE (V)	COIL RESISTANCE Ω +/- 10 %	RATED CURRENT (mA)		MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION	
		50Hz	60Hz					% OF RATE VOLTAGE (At +20 °C)
6	11.5	234	200	80 Max.	30 Min.	110 Max.	1.2 VA	
12	46	117	100					
24	184	58.5	50					
36	370	39	33.4					
48	735	28	24					
120	4550	14.1	13.6					
220/240	14400	11.4	10					
6	40	150			10 Min.			0.9W
12	160	75						
24	650	36.9						
36	1500	24.5						
48	2600	18.5						
110	11000	10						

CHARACTERISTICS

Contact Arrangement	SPDT (1 Form C), DPDT (2 Form C), 3PDT (3 Form C)
Contact Material	Silver Alloy
Contact Resistance	50m Ω Max. (Measured at 1A 24VDC)
Contact Rating (Resistive Load)	(See figure 1)
Switching Voltage	125V DC/250V AC Max.
Operate Time	25ms Max.
Release Time	25 ms Max.
Insulation Resistance	500M Ω Min. (500V DC)
Dielectric Strength	1000V AC(50Hz/min.) Between open contact 1500V AC(50Hz/min.) Between coil and contact
Shock Resistance	100m/s ² Malfunction
Vibration Resistance	1.5mm double amplitude, 10-50Hz
Ambient Temperature	-40°C to +85°C
Humidity	35 - 95% RH
Operation Life	Mechanical : 2 x 10 ⁷ Electrical : 1 x 10 ⁶
Weight	35g Approx.

[Specifications are subject to change without notices.]

FIGURE 1

Item	Load	1 Poles		2,3 Poles	
		R Load	L Load	R Load	L Load
Rating Load		AC 220V/15A DC24V/15A	10A 7A	AC 220V/10A DC24V/10A	7.5A 5A
Allowable Voltage		AC 250V DC125V		AC 250V DC125V	
Maximum Current		15A	15A	10A	10A
Maximum Switching Capacity		3300VA 420W	2200VA 280W	2200VA 280W	830VA 120W

ORDERING INFORMATION

M3W - H 2 A 10 - DC12V

RATED VOLTAGE
 CONTACT CAPACITY 10-10A
 15-15A
 A: PCB MOUNTING
 B: QUICK CONNECT
 CONTACT ARRANGEMENT 1 = SPDT
 2 = 2PDT
 3 = 3PDT
 COVER Nil: STANDARD TYPE
 H : MOUNT FRANGE TYPE
 RELAY MODEL

DIMENSIONS (UNIT: mm)

